

# FIGURE 1

CAGTTTCTTCATCTGTAACATCAAATGAATAATAATACCAATCTCCTAGACTTCATAAGA  
GGATTAACAAAGACAAAATATGGGAAAAACATAACATGGCGTCCCATAATTATTAGATCT  
TATTATTGACACTAAAATGGCATTAAAATTACCAAAGGAAGACAGCATCTGTTTCCTCT  
TTGGTCCTGAGCTGGTTAAAAGGAACACTGGTTGCCTGAACAGTCACACTTGCAACCATG  
**ATG**CCTAAACATTGCTTTCTAGGCTTCCTCATCAGTTTCTTCCTTACTGGTGTAGCAGGA  
ACTCAGTCAACGCATGAGTCTCTGAAGCCTCAGAGGGTACAATTTAGTCCCAGAAATTTT  
CACAACATTTTGCAATGGCAGCCTGGGAGGGCACTTACTGGCAACAGCAGTGTCTATTTT  
GTGCAGTACAAAATCATGTTTCTCATGCAGCATGAAAAGCTCTCACCAGAAGCCAAGTGGA  
TGCTGGCAGCACATTTCTTGTAACCTCCCAGGCTGCAGAACATTGGCTAAATATGGACAG  
AGACAATGGAAAAATAAAGAAGACTGTTGGGGTACTCAAGAACTCTCTGTGACCTTACC  
AGTGAAACCTCAGACATACAGGAACCTTATTACGGGAGGGTGAGGGCGGCCTCGGCTGGG  
AGCTACTCAGAATGGAGCATGACGCCGCGGTTCACTCCCTGGTGGGAAACAAAAATAGAT  
CCTCCAGTCATGAATATAACCCAAGTCAATGGCTCTTTGTTGGTAATTCTCCATGCTCCA  
AATTTACCATATAGATACCAAAGGAAAAAAATGTATCTATAGAAGATTACTATGAACTA  
CTATACCGAGTTTTTATAATTAACAATTCAGTAGAAAAGGAGCAAAGGTTTATGAAGGG  
GCTCACAGAGCGGTTGAAATTGAAGCTCTAACACCACACTCCAGCTACTGTGTAGTGGCT  
GAAATATATCAGCCCATGTTAGACAGAAGAAGTCAGAGAAGTGAAGAGAGATGTGTGGAA  
ATTCCA**TGA**CTTGTGGAATTTGGCATTGAGCAATGTGGAAATTCTAAAGCTCCCTGAGAA  
CAGGATGACTCGTGTTTGAAGGATCTTATTTAAAATTGTTTTTGTATTTTCTTAAAGCAA  
TATTCAGTGTTACACCTTGGGGACTTCTTTGTTTATCCATTCTTTTATCCTTTATATTTT  
ATTTGTAACTATATTTGAACGACATTCCCCCGAAAAATTGAAATGTAAAGATGAGGCA  
GAGAATAAAGTGTTCTATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

bioRxiv preprint doi: <https://doi.org/10.1101/000000>; this version posted January 1, 2014. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

## **FIGURE 2**

></usr/seqdb2/sst/DNA/Dnaseqs.min/ss.DNA145887  
><subunit 1 of 1, 262 aa, 1 stop  
><MW: 30419, pI: 8.44, NX(S/T): 5  
MPKHCFLGFLISFFLTGVAGTQSTHESLKPQRVQFQSRNFHNLQWQPGRALTGNSSVYF  
VQYKIMFSCSMKSSHQKPSGCWQHISCNFPGCRTLAKYGQRQWKNKEDCWGTQELSCDLT  
SETSDIQEPYYGRVRAASAGSYSEWSMTPRFTPWWETKIDPPVMNITQVNGSLLVILHAP  
NLPYRYQKEKNVSIEDYYELLYRVFTINNSLEKEQKVYEGAHRAVEIEALTPHSSYCVVA  
EIYQPMLDRRSQRSEERCVEIP

### **Important features of the protein:**

#### **Signal peptide:**

Amino Acids 1-20

#### **N-glycosylation sites:**

Amino acids 55-59;165-169;170-174;191-195;208-212

#### **N-myristoylation sites:**

Amino acids 17-23;20-26;220-226

### FIGURE 3

TGAAATGACTTCCACGGCTGGGACGGGAACCTTCCACCCACAGCTATGCCTCTGATTGGTGA  
ATGGTGAAGGTGCCTGTCTAACTTTTCTGTAAAAAGAACCAGCTGCCTCCAGGCAGCCAGCC  
CTCAAGCATCACTTACAGGACCAGAGGGACAAGACATGACTGTGATGAGGAGCTGCTTTTCGC  
CAATTTAACACCAAGAAGAATTGAGGCTGCTTGGGAGGAAGGCCAGGAGGAACACGAGACTG  
AGAGATGAATTTTCAACAGAGGCTGCAAAGCCTGTGGACTTTAGCCAGACCCTTCTGCCCTC  
CTTTGCTGGCGACAGCCTCTCAAATGCAGATGGTTGTGCTCCCTTGCCTGGGTTTTACCCTG  
CTTCTCTGGAGCCAGGTATCAGGGGCCAGGGCCAAGAATTCCACTTTGGGCCCTGCCAAGT  
GAAGGGGGTTGTTCCCCAGAACTGTGGGAAGCCTTCTGGGCTGTGAAAGACACTATGCAAG  
CTCAGGATAACATCACGAGTGCCCGGCTGCTGCAGCAGGAGGTTCTGCAGAACGTCTCGGAT  
GCTGAGAGCTGTTACCTTGTCCACACCCTGCTGGAGTTCTACTTGAAAACGTGTTTTCAAAAA  
CCACCACAATAGAACAGTTGAAGTCAGGACTCTGAAGTCATTCTCTACTCTGGCCAACT  
TTGTTCTCATCGTGTCACTGCAACCCAGTCAAGAAAATGAGATGTTTTCCATCAGAGAC  
AGTGCACACAGGCGGTTTCTGCTATTCCGGAGAGCATTCAAACAGTTGGACGTAGAAGCAGC  
TCTGACCAAAGCCCTTGGGGAAGTGGACATTCTTCTGACCTGGATGCAGAAATCTACAAGC  
TCTGAATGTCTAGACCAGGACCTCCCTCCCCCTGGCACTGGTTTTGTTCCCTGTGTCATTTCA  
AACAGTCTCCCTTCCCTATGCTGTTCACTGGACACTTCACGCCCTTGGCCATGGGTCCCATT  
TTGGCCCAGGATTATTGTCAAAGAAGTCATTCTTTAAGCAGCGCCAGTGACAGTCAGGGAAG  
GTGCCTCTGGATGCTGTGAAGAGTCTACAGAGAAGATTCTTGTATTTATTACAACTCTATTT  
AATTAATGTCAGTATTTCACTGAAGTTCTATTTATTTGTGAGACTGTAAGTTACATGAAGG  
CAGCAGAATATTGTGCCCCATGCTTCTTTACCCCTCACAATCCTTGCCACAGTGTGGGGCAG  
TGGATGGGTGCTTAGTAAGTACTTAATAAACTGTGGTGCTTTTTTTGGCCTGTCTTTGGATT  
GTTAAAAAACAGAGAGGGATGCTTGGATGTAAAACTGAACTTCAGAGCATGAAAATCACACT  
GTCTTCTGATATCTGCAGGGACAGAGCATTGGGGTGGGGTAAGGTGCATCTGTTTGAAAAG  
TAAACGATAAAATGTGGATTAAAGTGCCCAGCACAAAGCAGATCCTCAATAAACATTTTCATT  
TCCCACCCACACTCGCCAGCTCACCCCATCATCCCTTTCCCTTGGTGCCCTCCTTTTTTTTTT  
TATCCTAGTCATTCTTCCCTAATCTTCCACTTGAGTGTCAAGCTGACCTTGCTGATGGTGAC  
ATTGCACCTGGATGTACTATCCAATCTGTGATGACATTCCCTGCTAATAAAAAGACAACATAA  
CTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

## **FIGURE 4**

```
></usr/seqdb2/sst/DNA/Dnaseqs.full/ss.DNA88002
><subunit 1 of 1, 206 aa, 1 stop
><MW: 23799, pI: 9.12, NX(S/T): 3
MNFQQRQLQSLWTLARPFPCPLLATASQMVMVLPCLGFTLLLWSQVSGAQQQEFHFGPCQVK
GVVPQKLWEAFWAVKDTMQAQDNITSARLLQQEVLQNVSDAESCYLEVHTLLEFYLKTVFKNH
HNRTVEVRTLKSFSTLANNFVLIVSQLQPSQENEMFSIRDSAHRRFLLFRRFAFKQLDVEAAL
TKALGEVDILLTWMQKFYKL
```

### **Signal sequence:**

amino acids 1-42

### **N-glycosylation sites.**

amino acids 85-89, 99-103, 126-130